

7. SALAMI

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OCT-9 2000
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/000,004

DATE: 08/02/2000
TIME: 13:46:20

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Input Set : A:\Sabe-137.app
Output Set: N:\CRF3\08022000\I000004.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

(i) APPLICANT: WEBB, Elizabeth Ann
MARGETTS, Mary Brigid
COX, John Cooper
FRAZER, Ian
MCMILLAN, Nigel Alan John
WILLIAMS, Mark Philip
MOLONEY, Margaret Bridget
Holland
EDWARDS, Stirling John

(ii) TITLE OF INVENTION: PAPILLOMAVIRUS POLYPROTEIN CONSTRUCTS

(iii) NUMBER OF SEQUENCES: 50

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: FOLEY & LARDNER
(B) STREET: 3000 K Street, N.W.
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: U.S.A.
(F) ZIP: 20007-5109

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US/09/000,004
(B) FILING DATE: 21-Apr-1998
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: WO PCT/AU96/00473
(B) FILING DATE: 26-JUL-1996
(A) APPLICATION NUMBER: AU PN 4439/95
(B) FILING DATE: 27-JUL-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: BENT, Stephen A.
(B) REGISTRATION NUMBER: 29,768
(C) REFERENCE/DOCKET NUMBER: 017227/0137

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (202) 672-5300
(B) TELEFAX: (202) 672-5399

57 (2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 30 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

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65      (ii) MOLECULE TYPE: DNA (genomic)
70      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
72 GCGCCCCGGG ATGGAAGTG CAAATGCCTC
74 (2) INFORMATION FOR SEQ ID NO: 2:
76      (i) SEQUENCE CHARACTERISTICS:
77          (A) LENGTH: 42 base pairs
78          (B) TYPE: nucleic acid
79          (C) STRANDEDNESS: single
80          (D) TOPOLOGY: linear
82      (ii) MOLECULE TYPE: DNA (genomic)
87      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
89 GCGCTCTAGA CCATGGAAGC TTGGGTAACA TGTCTTCAT GC
91 (2) INFORMATION FOR SEQ ID NO: 3:
93      (i) SEQUENCE CHARACTERISTICS:
94          (A) LENGTH: 49 base pairs
95          (B) TYPE: nucleic acid
96          (C) STRANDEDNESS: single
97          (D) TOPOLOGY: linear
99      (ii) MOLECULE TYPE: DNA (genomic)
104      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
106 GCGCTCTAGA GAGCTCGGTA CCACTAGTGG AGCACCAAAC ATTGGGAAG
108 (2) INFORMATION FOR SEQ ID NO: 4:
110      (i) SEQUENCE CHARACTERISTICS:
111          (A) LENGTH: 31 base pairs
112          (B) TYPE: nucleic acid
113          (C) STRANDEDNESS: single
114          (D) TOPOLOGY: linear
116      (ii) MOLECULE TYPE: DNA (genomic)
121      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
123 GCGCAGATCT TAGGCGTAGC TGAAGTGTTA C
125 (2) INFORMATION FOR SEQ ID NO: 5:
127      (i) SEQUENCE CHARACTERISTICS:
128          (A) LENGTH: 33 base pairs
129          (B) TYPE: nucleic acid
130          (C) STRANDEDNESS: single
131          (D) TOPOLOGY: linear
133      (ii) MOLECULE TYPE: DNA (genomic)
138      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
140 GCGCCCATGG GAAGTGGTGC CTGTACAAAT AGC
142 (2) INFORMATION FOR SEQ ID NO: 6:
144      (i) SEQUENCE CHARACTERISTICS:
145          (A) LENGTH: 32 base pairs
146          (B) TYPE: nucleic acid
147          (C) STRANDEDNESS: single
148          (D) TOPOLOGY: linear
150      (ii) MOLECULE TYPE: DNA (genomic)
155      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
157 GCGCTCTAGA TTGCTGTGTG GTAACAATAT AG
159 (2) INFORMATION FOR SEQ ID NO: 7:

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161      (i) SEQUENCE CHARACTERISTICS:
162          (A) LENGTH: 34 base pairs
163          (B) TYPE: nucleic acid
164          (C) STRANDEDNESS: single
165          (D) TOPOLOGY: linear
166      (ii) MOLECULE TYPE: DNA (genomic)
167      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
172      GCGCAAGCTT CATGGAAGAC ATGTTACCCT AAAG
174      (2) INFORMATION FOR SEQ ID NO: 8:
176      (i) SEQUENCE CHARACTERISTICS:
177          (A) LENGTH: 30 base pairs
178          (B) TYPE: nucleic acid
179          (C) STRANDEDNESS: single
180          (D) TOPOLOGY: linear
181      (ii) MOLECULE TYPE: DNA (genomic)
182      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
184      GCGCCCATGG GGTCTTCGGT GCGCAGATGG
189      (2) INFORMATION FOR SEQ ID NO: 9:
191      (i) SEQUENCE CHARACTERISTICS:
192          (A) LENGTH: 35 base pairs
193          (B) TYPE: nucleic acid
194          (C) STRANDEDNESS: single
195          (D) TOPOLOGY: linear
196      (ii) MOLECULE TYPE: DNA (genomic)
197      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
201      GCGCGAGCTC GCGGACGATT CAGGTACAGA AAATG
206      (2) INFORMATION FOR SEQ ID NO: 10:
208      (i) SEQUENCE CHARACTERISTICS:
209          (A) LENGTH: 33 base pairs
210          (B) TYPE: nucleic acid
211          (C) STRANDEDNESS: single
212          (D) TOPOLOGY: linear
213      (ii) MOLECULE TYPE: DNA (genomic)
214      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
216      GCGCGGTACC TAAAGTTCTA ACAACTGTTC CTG
223      (2) INFORMATION FOR SEQ ID NO: 11:
225      (i) SEQUENCE CHARACTERISTICS:
226          (A) LENGTH: 32 base pairs
227          (B) TYPE: nucleic acid
228          (C) STRANDEDNESS: single
229          (D) TOPOLOGY: linear
230      (ii) MOLECULE TYPE: DNA (genomic)
231      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
233      GCGCGGTACC GAAGCAATAG CCAAGCGTTT AG
240      (2) INFORMATION FOR SEQ ID NO: 12:
242      (i) SEQUENCE CHARACTERISTICS:
243          (A) LENGTH: 33 base pairs
244          (B) TYPE: nucleic acid
245          (C) STRANDEDNESS: single

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250      (D) TOPOLOGY: linear
252      (ii) MOLECULE TYPE: DNA (genomic)
257      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12: 33
259 GCGCACTAGT CAATAGGTGC AGTGACATAA ATC
261 (2) INFORMATION FOR SEQ ID NO: 13:
263      (i) SEQUENCE CHARACTERISTICS:
264          (A) LENGTH: 32 base pairs
265          (B) TYPE: nucleic acid
266          (C) STRANDEDNESS: single
267          (D) TOPOLOGY: linear
269      (ii) MOLECULE TYPE: DNA (genomic)
274      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13: 32
276 GCGCTCTAGA CTAACATGTC AATTTAATGA TG
278 (2) INFORMATION FOR SEQ ID NO: 14:
280      (i) SEQUENCE CHARACTERISTICS:
281          (A) LENGTH: 31 base pairs
282          (B) TYPE: nucleic acid
283          (C) STRANDEDNESS: single
284          (D) TOPOLOGY: linear
286      (ii) MOLECULE TYPE: DNA (genomic)
291      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: 31
293 GCGCGAGCTC ATTCATATAT ATATAATCAC C
295 (2) INFORMATION FOR SEQ ID NO: 15:
297      (i) SEQUENCE CHARACTERISTICS:
298          (A) LENGTH: 30 base pairs
299          (B) TYPE: nucleic acid
300          (C) STRANDEDNESS: single
301          (D) TOPOLOGY: linear
303      (ii) MOLECULE TYPE: DNA (genomic)
308      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: 30
310 GCGCCCCGGG ATGGAAGCAA TAGCCAAGCG
312 (2) INFORMATION FOR SEQ ID NO: 16:
314      (i) SEQUENCE CHARACTERISTICS:
315          (A) LENGTH: 51 base pairs
316          (B) TYPE: nucleic acid
317          (C) STRANDEDNESS: single
318          (D) TOPOLOGY: linear
320      (ii) MOLECULE TYPE: DNA (genomic)
325      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: 51
327 GCGCTCTAGA CCATGGGGTA CCGAGCTCCA ATAGGTGCAG TGACATAAAT C
329 (2) INFORMATION FOR SEQ ID NO: 17:
331      (i) SEQUENCE CHARACTERISTICS:
332          (A) LENGTH: 32 base pairs
333          (B) TYPE: nucleic acid
334          (C) STRANDEDNESS: single
335          (D) TOPOLOGY: linear
337      (ii) MOLECULE TYPE: DNA (genomic)
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17: 32
344 GCGCTCTAGA CTAACATGTC AATTTAATGA TG

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346 (2) INFORMATION FOR SEQ ID NO: 18:
348   (i) SEQUENCE CHARACTERISTICS:
349       (A) LENGTH: 36 base pairs
350       (B) TYPE: nucleic acid
351       (C) STRANDEDNESS: single
352       (D) TOPOLOGY: linear
353   (ii) MOLECULE TYPE: DNA (genomic)
354   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
359   GCGCAGATCT CTCGAGATTC ATATATATAT AATCAC
361 (2) INFORMATION FOR SEQ ID NO: 19:
363   (i) SEQUENCE CHARACTERISTICS:
365       (A) LENGTH: 1107 base pairs
366       (B) TYPE: nucleic acid
367       (C) STRANDEDNESS: single
368       (D) TOPOLOGY: linear
369   (ii) MOLECULE TYPE: DNA (genomic)
371   (ix) FEATURE:
374       (A) NAME/KEY: CDS
375       (B) LOCATION: 1..1104
376   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
379   ATG GAA AGT GCA AAT GCC TCC ACG TCT GCA ACG ACC ATA GAC CAG TTG
381 Met Glu Ser Ala Asn Ala Ser Thr Ser Ala Thr Thr Ile Asp Gln Leu
382 Met Glu Ser Ala Asn Ala Ser Thr Ser Ala Thr Thr Ile Asp Gln Leu
383 1
385 TGC AAG ACG TTT AAT CTA TCT ATG CAT ACG TTG CAA ATT AAT TGT GTG
386 Cys Lys Thr Phe Asn Leu Ser Met His Thr Leu Gln Ile Asn Cys Val
387 20
389 TTT TGC AAG AAT GCA CTG ACC ACA GCA GAG ATT TAT TCA TAT GCA TAT
390 Phe Cys Lys Asn Ala Leu Thr Thr Ala Glu Ile Tyr Ser Tyr Ala Tyr
391 35
393 AAA CAC CTA AAG GTC CTG TTT CGA GGC GGC TAT CCA TAT GCA GCC TGC
394 Lys His Leu Lys Val Leu Phe Arg Gly Gly Tyr Pro Tyr Ala Ala Cys
395 50
397 GCG TGC TGC CTA GAA TTT CAT GGA AAA ATA AAC CAA TAT AGA CAC TTT
398 Ala Cys Cys Leu Glu Phe His Gly Lys Ile Asn Gln Tyr Arg His Phe
399 65
401 GAT TAT GCT GGA TAT GCA ACA ACA GTT GAA GAA GAA ACT AAA CAA GAC
402 Asp Tyr Ala Gly Tyr Ala Thr Thr Val Glu Glu Glu Thr Lys Gln Asp
403 85
405 ATC TTA GAC GTG CTA ATT CGG TGC TAC CTG TGT CAC AAA CCG CTG TGT
406 Ile Leu Asp Val Leu Ile Arg Cys Tyr Leu Cys His Lys Pro Leu Cys
407 100
409 GAA GTA GAA AAG GTA AAA CAT ATA CTA ACC AAG GCG CGG TTC ATA AAG
410 Glu Val Glu Lys Val Lys His Ile Leu Thr Lys Ala Arg Phe Ile Lys
411 115
413 CTA AAT TGT ACG TGG AAG GGT CGC TGC CTA CAC TGC TGG ACA ACA TGC
414 Leu Asn Cys Thr Trp Lys Gly Arg Cys Leu His Cys Trp Thr Thr Cys
415 130
417 ATG GAA GAC ATG TTA CCC AAG CTT CCA TGG GAA GTG GTG CCT GTA CAA
418 Met Glu Asp Met Leu Pro Lys Leu Pro Trp Glu Val Val Pro Val Gln

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VERIFICATION SUMMARY
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DATE: 08/02/2000
TIME: 13:46:21

Input Set : A:\Sabe-137.app
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L:35 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:36 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]